



US009410556B2

(12) **United States Patent**
Miller et al.

(10) **Patent No.:** **US 9,410,556 B2**
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **RING SEAL MIDPLATE**

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 934 days.

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(57) **ABSTRACT**

A seal assembly for a rotary machine which includes a rotor assembly having a rotatable rotor shaft is disclosed. The seal assembly may comprise a spacer, a seal plate, a ring seal, and a ring seal midplate. The spacer, the seal plate, and the ring seal midplate may be rotatable with the shaft and extend outwardly from the shaft. The ring seal is free and provides a seal for a bearing compartment of the rotary machine. The ring seal midplate is not attached to the spacer or the seal plate during a hardface process which is applied to any component of the seal assembly. The ring seal midplate may be longitudinally located between the spacer and the seal plate and be radially spaced between the ring seal and the shaft.

20 Claims, 6 Drawing Sheets

(65) **Prior Publication Data**

US 2013/0330171 A1 Dec. 12, 2013

(51) **Int. Cl.**

F04D 29/10 (2006.01)

F04D 29/12 (2006.01)

F16J 15/44 (2006.01)

F01D 11/00 (2006.01)

F01D 25/18 (2006.01)

F16J 15/34 (2006.01)

(52) **U.S. Cl.**

CPC **F04D 29/122** (2013.01); **F01D 11/001**
(2013.01); **F01D 11/003** (2013.01); **F01D**
25/183 (2013.01); **F16J 15/441** (2013.01)

(58) **Field of Classification Search**

CPC F01D 11/003; F01D 25/18; F01D 25/183;
F01D 25/186; F04D 29/08; F04D 29/083;
F04D 29/10; F04D 29/102; F04D 29/12;
F04D 29/122; F16J 15/34; F16J 15/441;
F05D 2240/55; F05D 2260/98
USPC 415/110, 111, 113, 170.1, 174.2,
415/229-231; 416/174

See application file for complete search history.

